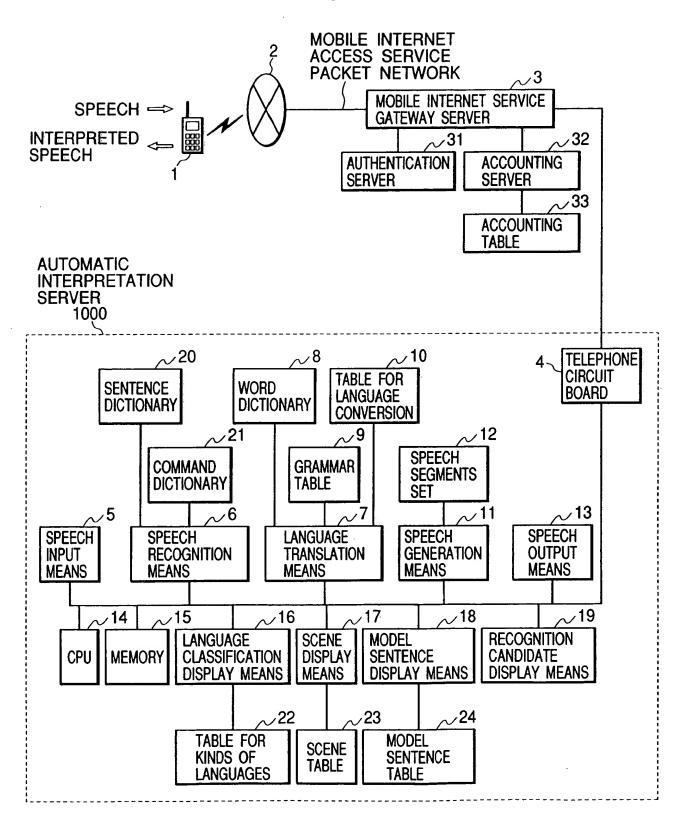
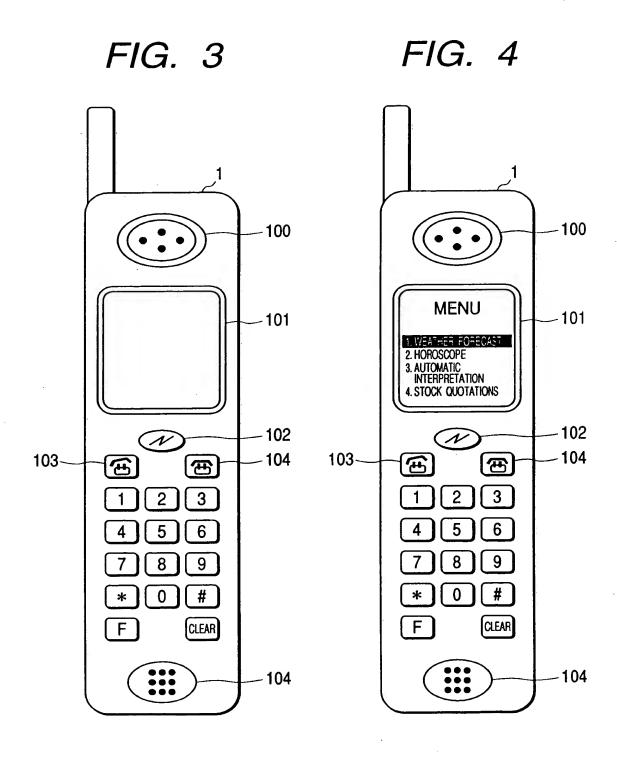
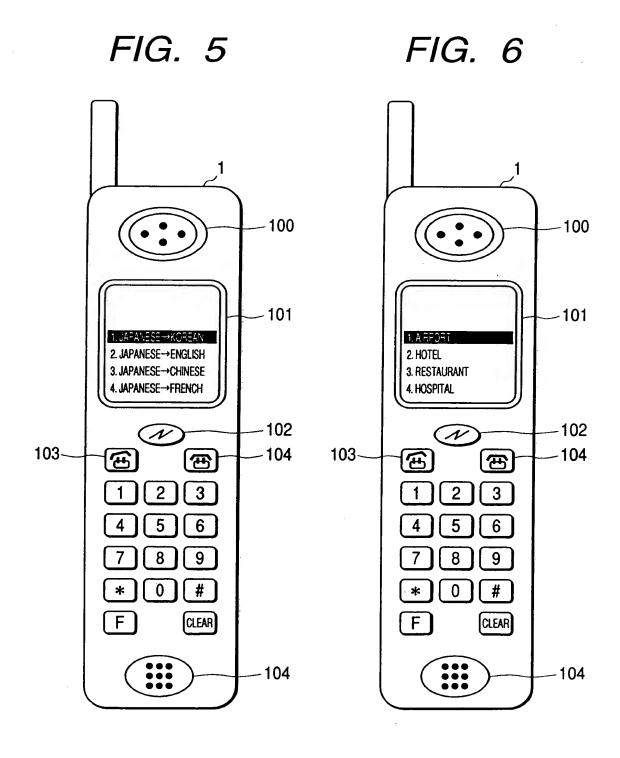
FIG. 1



201~	WAVE	
202~	CSTRING	
203~	JAPANESE	
204~	ICNT	
205~	RECOGS (1)	
	RECOGPNUM (1)	
	RECOGSNUM (1)	
	:	
	RECOGS (N)	
	RECOGPNUM (N)	
	RECOGSNUM (N)	
206~	RESULT	
207~	SYNWAVE	
208~	JCNT	
209~	LANG	
210~	SCENE	
211~	BSENTENCE	
212~	CSENTENCE	
213~	PCAND	
214~	SCAND	
215~	INDEX	
	:	,





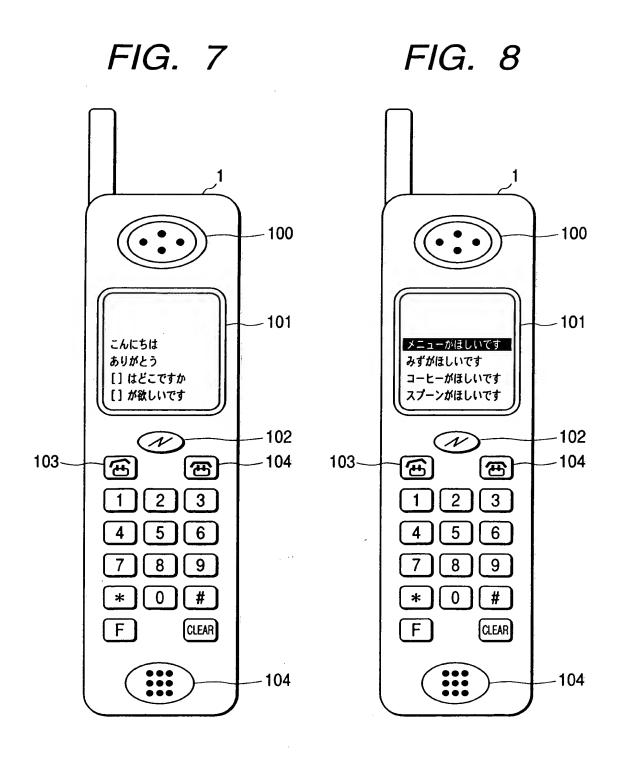
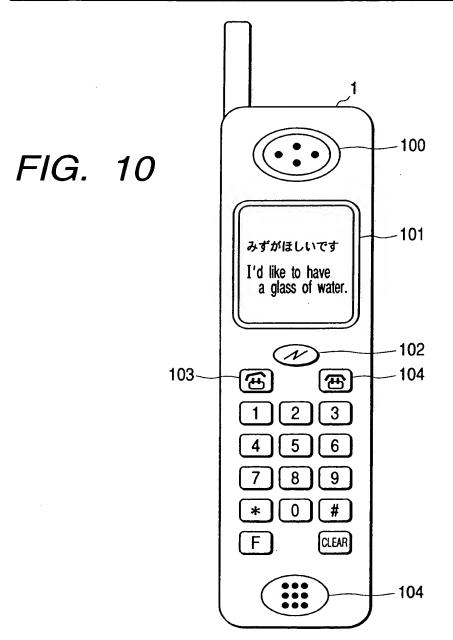


	FIG.	9			
	311	312		313	
	MODEL 'SENTENCE	SENTENCE		TRANSLATED WORDS	
	NUMBER	NUMBER	1	2	• • •
	į .		:	:	:
301~	~ 4	1	• •	I'd like to have a glass of water.	• • •
302~	- 4	2	•••	Can I see the menu ?	•••
303~	- 4	3	•••	I'd like to have a cup of coffee.	•••
304~	- 4	4	•••	I'd like to have a spoon.	•••
	:	:	:	!	



	411	412
	USER ID	CHARGE
-	i	
401~	1234	100
402~	1235	0
403~ 404~	1236	300
404~	1237	850
	:	

	811	812
	LANGUAGE CLASSIFICATION NUMBER	LANGUAGE CLASSIFICATION
801~	1	JAPANESE→KOREAN
802~	2	JAPANESE→ENGLISH
803~	3	JAPANESE→CHINESE
804~	- 4	JAPANESE→FRENCH
i	:	

FIG. 13

	911	912
	SCENE NUMBER	SCENE
901~	1	AIRPORT
902~	2	HOTEL
903~	3	RESTAURANT
904~	- 4	HOSPITAL

FIG. 14

	511	512	513
	SCENE NUMBER	MODEL SENTENCE NUMBER	MODEL SENTENCE
	1	1	[] はどこですか
501~	3	1	こんにちは
502~	3	2	ありがとう
503~	· 3	3	[] はどこですか
504~	3	4	[] が欲しいです
505~	3	5	[] はありますか
506~	3	6	[] て下さい
	:		

•	611	612	613	614
	MODEL SENTENCE NUMBER	SENTENCE NUMBER	SENTENCE	CHARACTERISTICS VECTOR SEQUENCE
601~	1	1	こんにちは	A11, A12, ···
602~	_ 2	1	ありがとう	A21, A22, ···
	:	:	:	:
603~	- 4	1	みずがほしいです	A31, A32, ···
604	4	2	めにゅーがほしいです	A41, A42, ···
605	4	3	こーひーがほしいです	A51, A52, ···
606	4	4	すぷーんがほしいです	A61, A62, ···
į	!			:

	711	712	713
	COMMAND NUMBER	COMMAND	CHARACTERISTICS VECTOR SEQUENCE
701~	1	かくてい	B11, B12, ···
702~	_ 2	つぎ	B21, B22, ···
703~	3	サービス終了	:
	:	:	B31, B32, ···

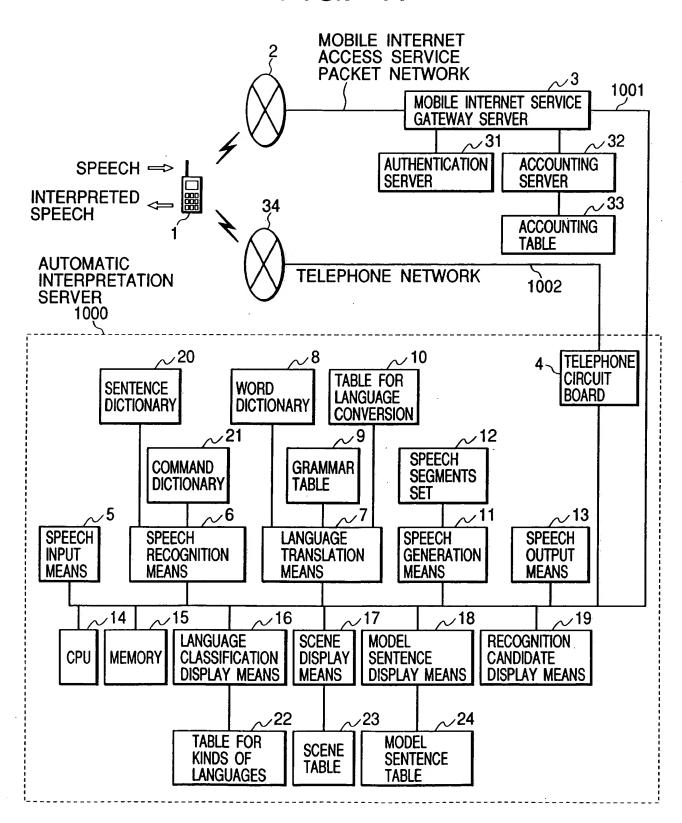


FIG. 18 START
THE USER TURNS THE POWER OF THE TERMINAL 1 ON AND CONNECTS IT WITH THE GATEWAY SERVER
THE AUTHENTICATION SERVER 31 CONFIRMS THE USER AS A REGISTERED ONE AND SENDS THE USER ID TO THE ACCOUNTING SERVER 32
THE ACCOUNTING SERVER 32 RESETS THE CHARGE COLUMNS CORRESPONDING TO THE USER ID OF THE ACCOUNTING TABLE 33
THE GATEWAY SERVER 3 DISPLAYS 101 THE MENU OF THE SERVICE ON THE DISPLAY OF THE TERMINAL
THE USER SELECTS THE AUTOMATIC INTERPRETATION SERVICE BY PRESSING OF THE UP-DOWN BUTTON AND DECIDES IT BY PRESSING THE DECISION BUTTON
THE LANGUAGE CLASSIFICATION DISPLAY MEANS 16 IS MOTIVATED AND IT DISPLAYS THE LANGUAGE CLASSIFICATION ON THE DISPLAY 101
THE USER SELECTS THE LANGUAGE CLASSIFICATION BY PRESSING OF THE UP-DOWN BUTTON AND DECIDES IT BY PRESSING THE DECISION BUTTON
THE SCENE DISPLAY MEANS 17 IS MOTIVATED AND IT DISPLAYS THE SCENE ON THE DISPLAY 101
THE USER SELECTS THE SCENE BY PRESSING OF THE UP-DOWN BUTTON AND DECIDES IT BY PRESSING THE DECISION BUTTON
THE MODEL SENTENCE DISPLAY MEANS 18 IS MOTIVATED S109 AND IT DISPLAYS THE MODEL SENTENCES ON THE DISPLAY 101
THE USER INPUTS HIS SENTENCE SPEECH WATCHING MODEL SENTENCES ON THE DISPLAY



FIG. 19 |<s111 THE SPEECH INPUT MEANS 5 STORES INPUT SPEECH IN **WAVE 201** THE SPEECH RECOGNITION MEANS 6 IS MOTIVATED AND IT <s112 COMPARES THE CHARACTERISTICS VECTOR SEQUENCE OF THE SPEECH IN WAVE 201 WITH THE CHARACTERISTICS VECTOR SEQUENCE OF EACH SENTENCE WITHIN DISPLAYED SENTENCES ON THE DISPLAY 101 AND DISPLAYS M CHARACTER STRINGS AS RECOGNITION RESULTS IN HIGHER ORDER OF MATCHING SCORE ON THE DISPLAY 101 OF THE TERMINAL 1 (M=4)s114 THE USER SELECTS THE CORRECT SENTENCE IN THE RECOGNIZED RESULTS BY PRESSING THE UP-DOWN BUTTON AND DECIDES IT BY PRESSING THE DECISION BUTTON ≤s115 THE DECIDED CHARACTER STRING IS STORED IN RESULT 203 THE LANGUAGE TRANSLATION MEANS 7 IS MOTIVATED AND 5116 IT CONVERTS THE CONTENTS OF JAPANESE 203 INTO ENGLISH BY USING THE TABLE FOR LANGUAGE CONVERSION AND STORES IT IN <s117 THE SPEECH GENERATION MEANS 12 IS MOTIVATED AND IT CONVERTS THE CONTENTS OF ENGLISH 206 INTO SYNTHESIZED SPEECH AND SENDS IT TO THE TERMINAL 1 AND STORES IT IN THE MEMORY OF THE TERMINAL ∠s118 THE PRESCRIBED CHARGE PER 1 INTERPRETATION IS ADDED TO THE ACCOUNTING COLUMN CORRESPONDING TO THE USER ID IN THE USER ID COLUMN OF THE ACCOUNTING TABLE IN THE ACCOUNTING SERVER]<s119 THE USER PRESSES THE INTERPRETED SPEECH OUTPUT BUTTON OF THE TERMINAL 1 AND THE INTERPRETED SPEECH IS OUTPUT FROM THE SPEAKER 100 OF IT **END**